

ANNEX D (CMTC/Hohenfels Training Area Helicopter Flight Coordination Area (HFCA) SOP) to CMTC A2C2 SOP

1. **PURPOSE:** To provide procedures and policies for the safe and expeditious operations of aircraft operating within the CMTC HFCA. This document further designates geographical boundaries of the CMTC HFCA and Sub Training Areas. This SOP will not be construed to supersede existing regulations, host nation regulations or other directives pertaining to the operation of aircraft within the CMTC HFCA.

2. **REFERENCES:**

- a. AR 95-1 UR 95-1 UR 350-50 DOD Flight Information Publication (FLIP)
- b. Enroute Supplement, VFR Arrival/Departure Routes Europe (GP, AP-2, AP-2A)
- c. Hohenfels Army Airfield (HAAF) SOP
- d. V CORPS Helicopter Flight Coordination Area (HFCA) SOP

3. **RESPONSIBILITIES:**

- a. The Commander, Operations Group, ATTN: S-3 Scheduling Office, 466-2676.

- (1) Overall responsible for all flight operations within the CMTC HFCA, excluding EDR-136 and TA-2.

- (2) Schedules utilization of HFCA, STAS, LTAs and tactical flight routes for rotational units.

- b. Commander, HAAF

- (1) Coordinates use of airspace within CMTC HFCA for non-rotational units.

- (2) Enforces compliance with all administrative requirements.

- (3) Initiates and Monitors SAR operations.

- (4) Maintains hazard map to include routes, hazards, etc.

- (5) After coordination with the Scheduling Office, approves requests for use of the CMTC HFCA.

- (6) Publishes a CMTC Range Bulletin containing a schedule of aviation training in the HFCA and EDR137 after coordination with S-3 OPSGRP, Bullseye and Falcons.

- c. **Grafenwoehr Chief of Range Operations**

- (1) Has overall responsibility for airspace control of EDR-136 and CMTC HFCA STA 2.

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(2) Initiates and monitors search and rescue operations.

(3) Maintains hazard map to include routes, hazards, etc.

(4) Approves requests for use of STA 2 of the CMTC HFCA.

(5) Publishes in Grafenwoehr Range Bulletin, a schedule of aviation training in the CMTC HFCA, STA 2.

d. Users of CMTC HFCA

(1) Must be familiar and comply with the provisions of this SOP and all other regulations and publications governing the flight of rotary wing aircraft within the Federal Republic of Germany.

(2) Coordinates use of the HFCA with CMTC scheduling prior to entry of the CMTC HFCA.

(3) Ensure hazard map is current with the master hazard map located at the Hohenfels Army Airfield (HAAF) Base Operations.

(4) Conducts a hazard recon of the training area in which they will be operating.

(5) Report newly identified hazards, incidents, violations or suspected maneuver damage to the Hohenfels Army Airfield Commander.

(6) Must provide their own maps. Each aircrew operating NOE within the CMTC HFCA will have a 1:25,000, 1:50,000 or 1:100,000 map with all NOE routes, control points, known hazards and obstacles, and restricted areas for the areas they will be operating in.

(7) Ensures flight crews have read and understand the provisions within this annex.

(8) Will contact Graf Radio, Graf Tower or Graf Advisory as soon as possible after reaching Highway 14 when utilizing the CMTC Tactical Flight Routes traveling north and Hohenfels Tower when traveling south.

e. Hohenfels Tower

(1) Provides terminal ATC services at HAAF.

(2) Tracks usage of STAS.

(3) Provide flight following services south of Highway 14 in the CMTC HFCA.

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(4) Inform the Commander, HAAF of overdue aircraft.

f. Grafenwoehr Radio

(1) Tracks usage of STA 2.

(2) Provides flight following services north of highway 14 in the CMTC HFCA.

(3) Inform the Chief of Range Operations at Grafenwoehr of overdue aircraft.

4. **SCOPE:** The policies and procedures contained in this annex apply to all users of CMTC HFCA. Conflicts between this annex and other regulations will be brought to the attention of the Commander, HAAF.

5. **DESCRIPTION OF CMTC HFCA**

a. The boundaries of the CMTC HFCA are as follows:

SE tip of EDR-137 (QV176520) NE to (UQO42704); NW to (QAO50324); SW along railroad track to Pegnitz; SW along Hwy 85 to intersection with A9; SW along A9 to the Nurnberg Class 'E' airspace boundary; S along Nurnberg Class 'E1' airspace boundary to intersection with Hwy 8; SE along Hwy 8 to (PV887530); E to SW tip of EDR-137; E along the border of EDR-137 to the SE tip of EDR-137.

NOTE: The HFCA is further sub-divided into 3 Sub-Training Areas (STA 1, 2, and 3). Depiction of the STAs are located in HAAF Base Operations.

b. HFCA hours of operation will be IAW the references in 6.b. below.

6. **MISCELLANEOUS**

a. The CMTC HFCA has been established by USAREUR to facilitate terrain flight training, outside of the maneuver area (EDR-137), for units training at the CMTC. The HFCA will allow aviation units to conduct safe flight below 100 feet AGL by day and 500 feet AGL at night particularly when using Night Vision Devices (NVD). It is the intent of this document to provide commanders low-level flight training flexibility, while minimizing noise and maneuver damage complaints.

b. Terrain Flight within the CMTC HFCA and the establishment of Nap-of-the-Earth (NOE) routes/sectors are governed by the German AIP(VOL 1 and 2), AP 2, V CORPS Helicopter Flight Coordination Area (HFCA) SOP, UR 95-7 and local letters of agreement with German federal, state, and local government officials. These provide that:

(1) A controlling agency be designated for the HFCA.

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(2) All planned landings within the HFCA, outside U.S. controlled areas, will be coordinated by maneuver rights requests IAW UR 350-22. Unscheduled landings, except for emergencies, without landing rights is prohibited.

NOTE: The Amberg LTA is the only approved landing area outside the Hohenfels MTA and the Grafenwoehr Training Area unless other arrangements have been made with S-3 282BSB Maneuver Rights Office 466-2088.

c. Non-rotational units must obtain permission from Commander, HAAF prior to conducting flight in the CMTC HFCA to ensure deconfliction of rotational and non-rotational aircraft.

d. Only aircraft belonging to the same unit will be allowed to train in each Sub Training Area (STA) unless direct coordination is made between the different units.

7. NOISE ABATEMENT

a. Avoid overflight of towns, villages, buildings, livestock and people.

b. Minimize ground time and/or hover operations.

c. Avoid no-fly and restricted areas.

8. FLIGHT FOLLOWING

a. Flight following will be with Hohenfels Tower when operating south of highway 14. Operations North of highway 14 and within EDR-136 will be with Grafenwoehr Radio. Units will coordinate with Grafenwoehr Radio for times of operations prior to use of HFCA areas north of highway 14. O/Cs may assume all flight following responsibilities when escorting rotational aircraft. Positive communication is required at all times.

b. Flights of 2 or more aircraft may flight follow internally. one aircraft may open a block time and update with tower periodically as directed. Aircraft operating within the same STA will use a common air to air frequency.

c. Aircrews conducting terrain flight/NOE/NVD operations are required to report to tower the following:

(1) Reaching any control points (SP, ACP, RP etc.).

(2) Any intentional deviation from the depicted course line of more than 500 meters.

(3) Position report at least every 15 minutes, or as directed by ATC, if no other reports have been made.

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d. Reports will consist of aircraft ID, present position and intentions.

e. The criteria for control is constant radio contact with all elements. If contact cannot be maintained between aircrews engaging in terrain flight operations, the responsible PC/AMC must take steps to establish control.

9. HAZARD MAP

a. Aircrews that identify hazards not posted on the HAAF hazards map will report them to the Commander, HAAF.

b. To assist in eliminating confusing graphics on the HAAF hazards map, wires along roads and railroads may not be depicted. ALL ROADS AND RAILROADS ARE CONSIDERED TO HAVE WIRES.

10. **LOST COMMUNICATIONS** - will be in accordance with the Flight Information Handbook.

11. SEARCH AND RESCUE

a. Search and Rescue procedures will be initiated when a total of 30 minutes has elapsed since the last radio contact with any given training crew or an aircrew reports a forced landing.

b. Once SAR operations have been initiated, all aircraft within the HFCA will terminate training and clear the area unless asked to assist in the SAR effort. All aircraft will report location and intentions to Tower.

13. CMTC TACTICAL FLIGHT ROUTES

Tactical flight routes have been established by CMTC to facilitate tactical low level flights between EDR-136 and EDR-137. Users must ensure a day hazards recon is completed prior to terrain flight operations. Grid coordinates for ACPs for each route are listed below.

a. RED ROUTE

<u>ACP</u>	<u>GRID</u>
SP/RP 1	PV 89736190
ACP 2	PV 84457620
ACP 3	PV 84609540
RP/SP 4	PA 81000420

b. BLUE ROUTE

<u>ACP</u>	<u>GRID</u>
SP/RP 11	PV 93609775

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ACP 12	PV 92608980
ACP 13	PV 93808170
ACP 14	PV 91407105
SP/RP 15	PV 91806693

NOTE: Blue and green routes use same checkpoints for ACP 12 & 13.

c. GREEN ROUTE

<u>ACP</u>	<u>GRID</u>
SP/RP 21	QV 066974
ACP 12	PV 92608980
ACP 13	PV 93808170
ACP 22	QV 02507840
ACP 23	QV 07157365
ACP 24	QV 12156645
SP/RP 25	QV 15756155

NOTE: Blue and green routes use same checkpoints for ACP 12 & 13.

d. ORANGE ROUTE

<u>ACP</u>	<u>GRID</u>
SP/RP 31	TQ 82556073
ACP 32	QV 15507695
ACP 33	QV 09809125
SP/RP 34	QV 11959930

NOTE: Check NOTAMs for status of Vorgeben DZ located at QV 1195. Also be aware of the Amberg LTA located vicinity of QV 147768, near ACP 32.

e. BROWN ROUTE

<u>ACP</u>	<u>GRID</u>
SP/RP 41	TR 85400185
ACP 42	TQ 92208790
ACP 43	TQ 91557762
ACP 44	TQ 87457035
ACP 45	TQ 86356035
SP/RP 46	TQ 83255760

NOTE: Units utilizing these routes must perform a day hazards reconnaissance prior to conducting terrain flight. Due to the frequency of use, the Master Hazards Maps may not be current with all hazards. When making initial contact with ATC, state direction the route is to be flown (north or south).

13. PROCEDURES FOR AMBERG LTA.

a. Amberg LTA is located vicinity of QV 14797685. It consists of 2 improved helipads, various buildings and areas for tactical training. Entry and exit procedures are as follows:

North pad - T/O 0250, Landing 205'
South pad - T/O 100', Landing 280'

b. Exercise extreme caution due to numerous obstacles near the helipads. A wind sock and utility shed are located between the 2 pads just to the west side. A lighted 651 range tower is located at QV14957705. There is also a set of power line located at QV14457650, southeast 138 degrees to Schafhof, 301 AGL, unmarked.

c. Aviation units utilizing this area as an assembly area are required to establish a flight operations to facilitate safe operations for aircraft operating in and out of this area. An air-to-ground frequency must be utilized for aircraft arriving and departing. For noise abatement considerations, units will sequence flights in and out in company sized elements or smaller.

d. Refuel Operations - Refuel operations will only be conducted within the confines of the LTA. Specific FARP locations must be coordinated with CMTC DPTMS. Each unit will submit its spill contingency plan for approval and have on hand all necessary materials prior to occupation of the LTA.

e. Units will schedule a usage briefing thru S-3 Scheduling Office, ETS 466-2676, NLT one week prior to occupation.

14. NOISE SENSITIVE/NO OVER-FLIGHT AREAS. All built up areas are to be avoided.

The following is a list of potential noise sensitive and no-fly areas:

<u>NAME</u>	<u>LOCATION</u>
Adertshausen	QV063634
Albertshofen	PV954645
Allersburg	QV023656
Amberg	QV093976
ASP #2	PV978573
Breitenthol	PV997555
Camp Nainhof	QV061566
Darshofen	PV962500
Dietldorf	QV147545
Ebermannsdorf	QV133755
Emhof	QV137583
Freudenricht	PV977556

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Grossbissendorf	QV049554
Hirschau	QV151922
Hohenburg	QV036642
Hohenburg Castle	QV032638
Hohenfels	QV077543
Hormannsdorf	PV005546
Kuhnhausen	QV018542
Mendorferbuch	QV061666
Ransbach	PV997667
Rohrbach	QV140525
Schmidmuehlen	QV126615
Sulzbach-Rosenberg	PV982867
Velberg	PV946570
Utzenhofen	PV954684
Winbuch	QV100643

15. DANGER AND RESTRICTED AREAS

- a. EDR-136 Grafenwohr
- b. EDR-137 Hohenfels
- c. Vorgeben DZ QV 1195

16. MILES II Tower Locations.

QV 009655
QV 135537
QV 095550
QV 013571
PV 974585
PV 976657
QV 051628
QV 078630
QV 128593
QV059569
QV 001617
QV 114584

Note: Wires begin at road intersection QV 114597 northeast to QV 121608 east to QV 131608.

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17. EDR-137, MTA/VFR Check points

Shark	QV102575
Hohenburg south	QV021563
Hohenburg north	QV042633
Catfish	PV971587
Dolphin	QV140527
Cod	QV145566
Pike	QV 114597
Trout	QV 025585
Bass	PV 958617
Carp	PV 967649
Marlin	QV 080623

18. POC for questions, updates or changes is Commander, HAAF at 466-2814/2514/2614.